

Web Version without Attachments

MEMORANDUM FOR DoD MODELING AND SIMULATION (M&S) WORKING GROUP
(MSWG) MEMBERS

SUBJECT: Minutes for the February 15, 1996, MSWG Meeting

The DoD MSWG met in the Institute for Defense Analyses' (IDA) facility at 2001 North Beauregard, on February 15, 1996. CAPT Hollenbach, Director, Defense Modeling and Simulation Office (DMSO), chaired the meeting. Attachment 1 identifies attendees. Meeting highlights follow:

Important Schedule Notes:

- MSWG Meeting. The next MSWG Meeting will be on March 8, 1996, 10:00 AM to 4:00 PM, in Room 121 at IDA's 2001 North Beauregard facility.

- DoD Executive Council for Modeling and Simulation (EXCIMS) Meeting. The EXCIMS will meet on Thursday, March 21, 1996, in Pentagon Room 3D1019, from 12:30 PM to 4:30 PM. Please note the planned duration for this session is extended to four hours to accommodate a lengthy agenda.

Program Rationalization. The Chair recognized Col Hanover who expressed concern from a perceived lack of coherence among major M&S initiatives (JSIMS, JWARS, STOW, JCOS, etc.). He called on the MSWG to undertake a review of these initiatives for the purposes of identifying redundancies or shortfalls, and recommending to the EXCIMS those actions necessary to insure rationalization of effort. CAPT Hollenbach agreed to add this item to the meeting's agenda for further discussion.

Simulation Endorsement Process (SEP) in the Joint Advanced Strike Technology (JAST) Program. Mr. Bill Dunn, U.S. Army Modeling and Simulation Office, briefed on the trial application of this process, directed by the EXCIMS in its March 22, 1995 meeting for the purpose of evaluating whether the EXCIMS should serve as a simulation endorsing authority in the joint acquisition process. Mr. Dunn noted that the JAST Program volunteered to participate in this trial application, and that the effort has included a review of all existing documents which have been developed by the JAST Program Office. The lack of a simulation plan was noted as a significant deficiency and the JAST SEP team

reported that they will work with the JAST Program Office to develop such a plan. Mr. Dunn also advised the MSWG that the effort has been divided into two phases, with Phase 1 focused on a review of the JAST simulation suite, and Phase 2 scoped on the cost models and Virtual Strike Warfare Environment. The MSWG agreed that the report of this trial application be briefed to the EXCIMS at the March meeting, but that formal recommendation of the process was to be deferred pending completion of the JAST SEP trial implementation.

Functional Area Councils/Working Groups Progress Reports.
CAPT Hollenbach called on representatives of each Council to report on progress of their respective groups toward developing cognizant appendices for the DoD M&S Master Plan and defining their working agenda for the year.

- Acquisition Council/FWG. Dr. Patricia Sanders, ODTSE&E, Chair of the Acquisition Council, noted that ASD (Economic Security) was added to council membership beyond those members prescribed by charter. She acknowledged some overlap in scope of responsibility with both the Analysis and Training Councils, but did not see this a problem. She noted that the Acquisition Council does not have a "flagship" model like JSIMS or JWARS on which to focus developmental effort. She acknowledged the J-MASS model addresses some, but not all, acquisition issues, and noted prospects that the Acquisition Council may promote "feeder" models supporting both Analysis and Training efforts. She targeted a May 15, 1996 deadline for the Acquisition Functional Area Appendix draft.

- Analysis Council/FWG. Dr. Jackie Henningsen, ODPA&E, Chair of the Analysis FWG, outlined the Analysis Council's schedule, noting the group has held two meetings thus far and is "still finding its spine." She reports the Council is currently hearing presentations by each of the Services on their respective M&S programs, with the Army having concluded its brief, and the Air Force scheduled for the next meeting. The Council is developing a definition of analysis as a starting point for preparing the Analysis Functional Area Appendix. Each Service has been tasked to provide their organizational structure for M&S in the analysis functional area.

- Training Council/FWG. Col. Tom Verbeck, JWFC represented CAPT Greg Hansen, Joint Staff, J-7, in reporting on the Training Council progress. He noted the Council had already held three meetings, and has three more monthly meetings scheduled through May. He noted the Training Council agenda for the year will focus among these high priority issues: Requirements (leveraging efforts from the Joint Training Master Plan (JTMP))

into the next revision of the JSIMS ORD); Funding (Scoping total

funding required and Service commitment of required resources for JSIMS); and, Technical Progress (reviewing JSIMS-related business/technical plans and progress). The council has set an April 1996 deadline for producing a draft Training Functional Area Appendix for staffing. To the surprise of some members, Col Verbeck noted that the Training Council has temporarily subsumed the role of the JSIMS General Officer Steering Group (GOSG). He explained that the acknowledgment of the Training Council as a legitimate replacement for the GOSG pends successful completion of the one-year trial implementation of the Councils as directed by the EXCIMS in September 1995. Col Verbeck also noted that representation of DIA, DLA, DISA, and SOCOM had been added to the Training FWG to reflect intentions to identify JSIMS Functional Executive Agents (EA). He noted that DIA has been designated the JSIMS EA for the Intelligence functional area, while DISA is designated the JSIMS EA for C4 functional area aspects of C4I. Ensuing discussion revealed that the JAMIP Steering Council will likely make similar functional area EA designations in support of the JWARS program. CAPT Hollenbach cautioned that charters for program-specific functional EA designations need to clearly limit responsibility to the programs they support, and urged effort to avoid semantic conflict with the broader M&S applicability of the DoD Modeling and Simulation Executive Agent designations. He requested the community use the term "MSEA" for EA's with DoD-wide responsibility and "JEA" for JSIMS EA's.

- Scope of Responsibility. The Chair recognized COL Hardin who questioned if a taxonomy existed clarifying the scope of responsibility among the councils. He volunteered to present a taxonomy which will be placed on the March MSWG agenda as a discussion piece.

Modeling and Simulation Executive Agents (MSEAs) Execution Plans CAPT Hollenbach introduced representatives of each of the three MSEAs designated thus far to brief their respective plans for execution

- Terrain. Mr. Steve Wallach, DMA Terrain Modeling Project Office (TMPO), briefed the execution plan adopted by the Terrain MSEA. The plan focuses on fostering a cooperative community effort to address customer-identified needs including: clarifying requirements, promoting terrain data standards and data reuse, coordinating R&D efforts to improve rapid terrain generation with improved ability to portray dynamic effects of battle, and providing active technical support to M&S system users and developers. To alleviate concerns expressed by some members, Mr. Wallach noted that plans to move DMA to the new NIMA organization will transition the TMPO organization intact. Comments from the members suggested that the approach taken by

TMPO to define its plan of execution is the appropriate template for use by all MSEAs.

- Oceans. Dr. George Hebrun, Office of the Oceans Executive Agent, presented the Oceans EA Execution Plan. In discussion, members suggested the plan's content, as presented, needed more clearly specified timeframes for deliverables, and that all deliverables be accelerated where practical. There was also concern that the plan communicated a "laboratory" focus, and therefore needs to more clearly define and address the expected scope of the Oceans EA customer base. Also expressed was concern regarding availability of funding commitments beyond initial support provided from DMSO. CAPT Kistler noted that he is encountering difficulty in acquiring Navy support for funding Joint requirements. Lt Col Lanicci acknowledged similar resistance in the Air Force. CAPT Hollenbach noted that he would relook the approach of having the Services POM the full support of Joint requirements under their EA obligations. In a separate item of interest, Dr. Hebrun acknowledged that agreement had been reached with the other two Environmental Representation EAs that the acceptable description of the land/ocean interface is to be defined as the 10 meter ocean depth measured at lowest astronomical tide.

- Aerospace. Lt Col John Lanicci, HQ USAF/XOMT, briefed the Aerospace EA Execution Plan on behalf of the Commander, Air Force Combat Climatology Center, who will execute the Aerospace EA responsibility. The plan focuses actions in three areas: Requirements (definition and documentation); Standardization (promoting reusable standard database and software environments); and Technology (promoting development of science affording consistent weather "play" in M&S). The bulk of the proposed EA sponsored project activity would be in the standardization focus area. In discussion, members suggested the plan, as presented, needed more specificity among the deliverables, and called for more early deliverables than currently described.

DIS Workshop. CAPT Hollenbach briefly reviewed DMSO participation in the upcoming 14th Distributed Interactive Simulation (DIS) Workshop scheduled for March 11-15, 1996, in Orlando FL, and the DIS-High Level Architecture (HLA) migration strategy. DMSO is sponsoring 23 papers on HLA-related subjects and another six on data-related subjects for presentation at the workshop. In addition, DMSO will be represented on all the principal committees and at most paper sessions to provide a consistent view of the purpose and implementation plan for the common technical framework. This continues the increased DMSO effort to educate the DIS community on the HLA begun at the September 1995 workshop.

The DIS Steering Committee met on February 12-14, 1996 and was briefed by CAPT Hollenbach on a proposed migration strategy

which brings the HLA management under the IEEE 1278 standards process. Col Hanover strongly supported this approach as ensuring

the continued DoD-industry mix necessary for the long-term health of the standard. CAPT Hollenbach expressed DMSO's hopes are to broaden future involvement in the DIS standards development process by the entire Defense M&S community, as well as commercial M&S interests (e.g., the entertainment industry). He noted that DMSO will stay deeply involved with the evolution of the standard.

Foreign Force and Intelligence Systems Modeling and Simulation Executive Agent (MSEA). Mr. Chris Guenther, Defense Intelligence Agency, briefed the need and projected scope of responsibility for a Foreign Force and Intelligence Systems Modeling and Simulation Executive Agent. Under the proposal, DIA would serve as the MSEA overseeing development of representations of the intelligence process as well as models and simulations of foreign forces and systems. Mr. Guenther noted that DIA is designated as the JSIMS Intelligence functional EA, while DISA is acting in a similar capacity as the JSIMS functional EA for C4 aspects of C4I. Col Hanover asked if DISA's nomination as DoD MSEA for C4 was on the table for discussion, in parallel with the JSIMS designation. CAPT Hollenbach noted that there is no such linkage; that if DISA expressed interest in serving as the DoD MSEA for C4 their petition would be addressed as all other MSEA nomination petitions have been to date. Mr. Guenther noted that as MSEA, DIA would also serve to coordinate the identification of shortfalls in defense intelligence data bases. Mr. Guenther outlined a proposed funding plan, noting that all funding to support the MSEA would be identified from DIA resources, although there was inference that contributions from cohort members from the Military Intelligence Board (MIB) would be sought for requirements beyond FY98.

Discussion of the DIA proposal among the members was generally favorable, but COL Hardin evidenced concern that DIA's role as the DoD MSEA might impinge on inherent Service responsibilities, under Title 10 USC, for internal intelligence processes and representations of human behavior. COL Hardin suggested that a recommendation to EXCIMS on this proposal be conditioned on limiting the scope of the EA authority to the national and joint levels, vice the tactical level. A voice vote on the proposal carried, with the Chair agreeing to incorporate COL Hardin's condition in the recommendation made to the EXCIMS.

Program Rationalization. Due to the late hour, planned discussion of the program rationalization issue raised by Col Hanover at the beginning of this meeting was postponed until the March meeting. CAPT Hollenbach called for representatives of the major M&S program initiatives to be present at the March meeting to lay out timelines and to identify issues regarding

coordination of efforts. He noted that a preliminary meeting would be held between DMSO and USMC technical representatives in an attempt to resolve differences of opinion on some technical feasibility issues.

James W. Hollenbach
Captain, USN
Director, Defense Modeling
and Simulation Office

Attachments
As stated

Modeling & Simulation Working Group (MSWG)
February 15, 1996
Meeting Attendance

<u>Organization</u>	<u>Attendees</u>
DMSO	CAPT Hollenbach *
	COL Wiedewitsch
	Col (Sel) Jefferson
	LTC Polk
	Dr. Huo
	Mr. Foley
	Ms. Matthews
OUUSD(P&R)	Mr. Johnson **
OD(TSE&E)(MSEE)	Dr. Sanders
OASD(C3I)	Col Hammell **
OASD(ES)	Not Present
OASD(RA)	Not Present
OD(PA&E)	Dr. Henningsen **
The Joint Staff	
(J-6)	Not Present
(J-7)	LtCol Coble **
(J-7/JWFC)	Col Verbeck
	Lt Col Martin
(J-8)	Lt Col Illinger
Army (DCSOPS, DAMO-ZS)	COL Hardin **
	Mr. Dunn
Navy (N6M)	CAPT Kistler **
Air Force (AF/XOMT)	Lt Col Lanicci
Marine Corps (MCMSMO)	Col Hanover **
ARPA	Not Present
BMDO	Dr. Bravy
DISA (D8)	Not Present
DMA (TMPO)	Mr. Hall **
	Mr. Wallach
	Mr. Lenczowski
	Mr. Jacober
DNA(RDA)	Mr. Tripp
IC M&S COG/DIA	Mr. Guenther **
	Mr. Thompson
	Mr. Bernstein

* MSWG Chair
** Designated MSWG Member

